Thermochimica Acta, 209 (1992) 339
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Adamkovičová, K. 77
Albuquerque, L.M.P.C. 63
Andrade Gamboa, J. 209

Berchiesi, G. 295
Bremer, M. 323

Caneiro, A. 209
Carvalho, L.R.F. 169
Castellani, F. 295
Christen, S. 253
Conti, G. 81

De Stefano, C. 7
De Robertis, A. 7

Fellner, P. 77
Fischer, St. 323
Fryer, P.J. 111

Geus, J.W. 265
Giannarelli, S. 81
Gianni, P. 81
Giolito, I. 169
Gonçalves, R.M.C. 63
Guzmán-Miralles, C. 135, 189

Hussain, M.A. 203
Hill, J.O. 301

Jaenicke-Rößler, K. 253
Jansen, J.B.H. 265
Jordanovska, V. 259

Kasprzycka-Guttman, T. 25
Klimenko, A.N. 331
Kloprogge, J.T. 265
Kobyłecka, J. 161
Koga, N. 127
Korce, S. 301
Kosa, L. 77
Kozlov, Yu.S. 331
Kudryavtseva, L. 103
Kuus, M. 103

Langbein, H. 253, 323
Lim, S. 301
Luque, A. 135, 189

Macías, R. 135, 189
Matos, J.R. 169
Matteoli, E. 81
Maurin, M.B. 203
Miyamoto, K. 43
Moura Ramos, J.J. 63
Muraishi, K. 175
Myohen, K. 31

Nagata, I. 31, 43
Nerád, I. 77

Ozaki, S. 31

Pang, J.W.C. 203
Pasquevich, D.M. 209
Pastukhov, E.A. 331
Patanè, G. 7
Price, D. 195
Proks, I. 77
Ptaszyński, B. 161

Román, P. 135, 189

Scheler, H. 323
Scollary, G.R. 301
Seddon, A.B. 145
Segal, E. 313
Selcuk, A. 195
Sergeev, V.S. 331
Šesták'ová, V. 277, 285
Seykens, D. 265
Shiftar, J. 259
Simões, A.M.N. 63
Slanina, Z. 1
Stander, C.M. 55
Štěpánek, B. 277, 285
Siimer, E. 103
Szlyk, E. 151

Tamura, K. 31
Tanaka, H. 127
Taylor, S.M. 111
Töpelmann, W. 323

Urbanovici, E. 313

Vicentini, G. 169
Vitali, G. 295

Wesołowski, M. 223
Wilczura, H. 25
Wood, J.A. 145

Yokobayashi, K. 175

Thermochimica Acta, 209 (1992) 341–346
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acetone
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Activation energy
Kinetic compensation effect for the thermal solid state reactions of lanthanide oxalate, malonate and succinate hydrates and their anhydrides 175
Adenosine
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Alcohol
Thermodynamics of associated solutions. Prediction and correlation of the ternary $P-x$ data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
Calorimetric study of the solution process of tetramethylsilane in alcohols 63
Alkane
Thermodynamic properties of solutions: enthalpy of mixing of 2,4-lutidine + *n*-alkanes 25
Alkanoate
The thermogravimetric analysis of copper alkanoate–pyridine complexes 145
Aluminium ion
Enthalpies of the hydrolysis reaction of Al^{3+} ion between 25 and 150°C 81
Aluminium sulphate
Thermal stability of basic aluminum sulfate 265
Ammonium nitrate
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Argon
A useful test of temperature dependency of cluster populations under saturation conditions: the Ar_2 case 1
Atmosphere
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169
Investigation of the impurity effect of zinc on the decomposition reaction of lead oxalate by isothermal TG. Experiments in flowing nitrogen 195
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285

Binary system
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Bismuth compound
Kinetic parameters of thermal decomposition of thiocyanatobismuthates(III). Part 3. Ammonium salts 161
Butylurea
Density, viscosity and electrical conductivity of the binary mixture *N*-butylurea and CF_3COONa (1.9206:1) 295

Calcination
Thermal stability of basic aluminum sulfate 265
Carbochlorination
On the role of carbon in the carbochlorination of refractory oxides 209
Chloroform
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Cluster
A useful test of temperature dependency of cluster populations under saturation conditions: the Ar_2 case 1
Concentration profile
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285
Conductivity
Density, viscosity and electrical conductivity of the binary mixture *N*-butylurea and CF_3COONa (1.9206:1) 295
Co-ordination
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151

Copolymer
Thermodynamics of associated solutions. Prediction and correlation of the ternary $P-x$ data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
Thermogravimetric analysis of ethylene–vinyl acetate copolymer with dynamic heating rates 203
Copper compound
The thermogravimetric analysis of copper alkanoate–pyridine complexes 145
Crystal
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Cyclohexane
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Czochralski
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285

Decomposition
The thermal decomposition of crystalline and freeze-dried μ-oxo-acetato-complexes of manganese and iron 253
Thermal stability of basic aluminum sulfate 265
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323
Dehydration
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Synthesis and dehydration of double sulfates of some rare earths (lanthanons) with silver 259
Density
Density, viscosity and electrical conductivity of the binary mixture *N*-butylurea and CF_3COONa (1.9206:1) 295
Diethylenetriamine
Salt effects on the protonation of diethylenetriamine: a complex formation model 7
Dilatometry
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Dimer
A useful test of temperature dependency of cluster populations under saturation conditions: the Ar_2 case 1
Dislocation density
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Doping
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285
Double salt
Synthesis and dehydration of double sulfates of some rare earths (lanthanons) with silver 259
DSC
A numerical study of the use of the Kissinger analysis of DSC thermograms to obtain reaction kinetic parameters 111
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169
Analysis of drug formulations by thermal decomposition 223
DTA
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Thermal features and behaviour of protonated diethylenetriamine isopolyvanadates 189
Analysis of drug formulations by thermal decomposition 223
The thermal decomposition of crystalline and freeze-dried μ-oxo-acetato-complexes of manganese and iron 253
Thermal stability of basic aluminum sulfate 265
DTG
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169
Thermal features and behaviour of protonated diethylenetriamine isopolyvanadates 189

Analysis of drug formulations by thermal decomposition 223
Synthesis and dehydration of double sulfates of some rare earths (lanthanons) with silver 259
Dynamic calorimetry
Thermogravimetric analysis of ethylene–vinyl acetate copolymer with dynamic heating rates 203

Electrolyte
Salt effects on the protonation of diethylenetriamine: a complex formation model 7
Ethylene
Thermogravimetric analysis of ethylene–vinyl acetate copolymer with dynamic heating rates 203
Excess enthalpy
Excess enthalpies of systems containing unsaturated hydrocarbons by UNIFAC group contribution 103
Excess molar enthalpy
Thermodynamic properties of solutions: enthalpy of mixing of 2,4-lutidine + *n*-alkanes 25
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31

Ferrite
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323
FTIR
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151

Gallium antimonide
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285
Gas
New kinetic equations in order to describe solid–gas decompositions 313

Halide
Use of parameter perturbation for free energy minimization: the effect of stoichiometry on zirconium yield during zirconium halide reduction by hydrogen 55
Heat of fusion
Determination of enthalpy of fusion of K_3FSO_4 77
Heat of hydrolysis
Enthalpies of the hydrolysis reaction of Al^{3+} ion between 25 and 150°C 81
Heat of solution
Calorimetric study of the solution process of tetramethylsilane in alcohols 63
Heterogeneous
New kinetic equations in order to describe solid–gas decompositions 313
Hydrocarbon
Thermodynamics of associated solutions. Prediction and correlation of the ternary P–x data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
Excess enthalpies of systems containing unsaturated hydrocarbons by UNIFAC group contribution 103

Impurity
Investigation of the impurity effect of zinc on the decomposition reaction of lead oxalate by isothermal TG. Experiments in flowing nitrogen 195
Isothermal
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Kinetic compensation effect for the thermal solid state reactions of lanthanide oxalate, malonate and succinate hydrates and their anhydrides 175
Investigation of the impurity effect of zinc on the decomposition reaction of lead oxalate by isothermal TG. Experiments in flowing nitrogen 195

Kinetics
A numerical study of the use of the Kissinger analysis of DSC thermograms to obtain reaction kinetic parameters 111
Kinetic parameters of thermal decomposition of thiocyanatobismuthates(III). Part 3. Ammonium salts 161
New kinetic equations in order to describe solid–gas decompositions 313
Kissinger
A numerical study of the use of the Kissinger analysis of DSC thermograms to obtain reaction kinetic parameters 111

Lanthanon
Synthesis and dehydration of double sulfates of some rare earths (lanthanons) with silver 259
Lanthanon compound
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169

Kinetic compensation effect for the thermal solid state reactions of lanthanide oxalate, malonate and succinate hydrates and their anhydrides 175
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Lead oxalate
Investigation of the impurity effect of zinc on the decomposition reaction of lead oxalate by isothermal TG. Experiments in flowing nitrogen 195
Lutidine
Thermodynamic properties of solutions: enthalpy of mixing of 2,4-lutidine + *n*-alkanes 25

Microcalorimetry
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Mixed oxide
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323
Mixed salts
Determination of enthalpy of fusion of K_3FSO_4 77
Model
Salt effects on the protonation of diethylenetriamine: a complex formation model 7
Model
Thermodynamic properties of solutions: enthalpy of mixing of 2,4-lutidine + *n*-alkanes 25
Thermodynamics of associated solutions. Prediction and correlation of the ternary *P*–*x* data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
Enthalpies of the hydrolysis reaction of Al^{3+} ion between 25 and 150°C 81
Excess enthalpies of systems containing unsaturated hydrocarbons by UNIFAC group contribution 103
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Morphological change
On the role of carbon in the carbochlorination of refractory oxides 209
MS
The thermal decomposition of crystalline and freeze-dried μ-oxo-acetato-complexes of manganese and iron 253

Nickel perchlorate
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Niobate
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Niobium compound
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Non-isothermal
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Kinetic compensation effect for the thermal solid state reactions of lanthanide oxalate, malonate and succinate hydrates and their anhydrides 175

Oxalate
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323
Oxidation
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323
Oxyvanadate
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135

Phase
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Polymer
Thermodynamics of associated solutions. Prediction and correlation of the ternary *P*–*x* data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
Thermal stability of basic aluminum sulfate 265
Pyridine
The thermogravimetric analysis of copper alkanoate–pyridine complexes 145

Sodium trifluoroacetate
Density, viscosity and electrical conductivity of the binary mixture *N*-butylurea and CF_3COONa (1.9206:1) 295
Solid
New kinetic equations in order to describe solid–gas decompositions 313
Solid solution
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323

Spinel
The thermal decomposition of crystalline and freeze-dried μ-oxo-acetato-complexes of manganese and iron 253
Investigation on the formation of manganese–zinc ferrites by thermal decomposition of solid solution oxalates 323

Tellurium
Study of dislocation density in Te-doped GaSb single crystals grown by means of Czochralski technique 277
Czochralski grown concentration profiles in the undoped and Te-doped GaSb single crystals 285
Ternary system
Ternary excess molar enthalpies of chloroform + acetone + cyclohexane mixtures at 298.15 K 31
Thermodynamics of associated solutions. Prediction and correlation of the ternary $P-x$ data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43
TET
A thermometric enthalpy titration (TET) study of some Australian wines 301
Tetramethylsilane
Calorimetric study of the solution process of tetramethylsilane in alcohols 63
TG
Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 1. Isothermal mass-loss process of molten NH_4NO_3 127
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135
Studies of the thermal dehydration reaction of $Ni(ClO_4)_2$ complexes with adenosine 151
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169
Kinetic compensation effect for the thermal solid state reactions of lanthanide oxalate, malonate and succinate hydrates and their anhydrides 175
Thermal features and behaviour of protonated diethylenetriamine isopolyvanadates 189
Investigation of the impurity effect of zinc on the decomposition reaction of lead oxalate by isothermal TG. Experiments in flowing nitrogen 195
Analysis of drug formulations by thermal decomposition 223
The thermal decomposition of crystalline and freeze-dried μ-oxo-acetato-complexes of manganese and iron 253
Synthesis and dehydration of double sulfates of some rare earths (lanthanons) with silver 259
TGA
The thermogravimetric analysis of copper alkanoate–pyridine complexes 145
Thermogravimetric analysis of ethylene–vinyl acetate copolymer with dynamic heating rates 203
On the role of carbon in the carbochlorination of refractory oxides 209
Thermal stability of basic aluminum sulfate 265
Titration
A thermometric enthalpy titration (TET) study of some Australian wines 301
Transition
High temperature phase transitions in rare-earth element niobates R_3NbO_7 331
Triethylenetetrammonium
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135

UNIFAC
Excess enthalpies of systems containing unsaturated hydrocarbons by UNIFAC group contribution 103
UNIQUAC
Thermodynamics of associated solutions. Prediction and correlation of the ternary $P-x$ data of systems including two alkanoic alcohols and one aliphatic hydrocarbon 43

Valerolactam
Thermal study of δ-valerolactam complexes of lanthanoid perchlorates 169
Vanadium compound
Preparation, chemical characterization and thermal behaviour of triethylenetetrammonium isopolyoxovanadates 135
Thermal features and behaviour of protonated diethylenetriamine isopolyvanadates 189
Vapour
A useful test of temperature dependency of cluster populations under saturation conditions: the Ar_2 case 1
Vinyl acetate
Thermogravimetric analysis of ethylene–vinyl acetate copolymer with dynamic heating rates 203
Viscosity
Density, viscosity and electrical conductivity of the binary mixture *N*-butylurea and CF_3COONa (1.9206:1) 295

Wine
A thermometric enthalpy titration (TET) study of some Australian wines 301

XRD
Thermal stability of basic aluminum sulfate 265

Zirconia
On the role of carbon in the carbochlorination of refractory oxides 209

Zirconium compound
Use of parameter perturbation for free energy minimization: the effect of stoichiometry on zirconium yield during zirconium halide reduction by hydrogen 55